



Model: AB-716-QH



**Table of Contents**

Safety Information.....	2
Product Features.....	2
Unpacking and Assembly.....	2
Operating Instructions.....	3
Storage / Maintenance.....	4
Troubleshooting.....	4
Warranty.....	5

**IMPORTANT:** Read and understand all of the directions in this manual before starting the heater. Improper use of this heater can cause serious injury. Keep this manual for future reference.

Heater is intended for residential use. Do not use outdoors.

**CONSUMER:** Retain this manual for future reference.

**Pinnacle Products International, Inc. 668 Stony Hill Road #302 Yardley, PA 19067 USA**  
Phone: 215-891-8460 Fax: 215-891-8461 Web: [www.pinnacleint.com](http://www.pinnacleint.com) Email: [info@pinnacleint.com](mailto:info@pinnacleint.com)

**NEVER LEAVE HEATER  
UNATTENDED WHILE  
OPERATING**



## Infrared Quartz Room Furnace

### Safety Information

**⚠ WARNING** *If the information in this manual is not followed exactly, a fire, electric shock or explosion may result causing property damage, personal injury or loss of life.*

**⚠ WARNING** *Do not operate this heater until you have read, and thoroughly understand these safety and operating instructions. Only persons who can read and understand these instructions should use or service this heater.*

- Do not block the intake openings or heated air flow in any manner.
- Check the heater thoroughly for damage before each use. DO NOT operate a damaged heater.
- Do not operate heater if the cord or plug is damaged.
- DO NOT modify this heater or operate a heater that has been modified from its original state. Modifying this heater will void your warranty and could result in injury and/or death.
- Do not run heater cord below carpeting, throw rugs, runners or similar coverings. Do not run heater cord below furniture or any appliance. Be sure heater cord is out of traffic areas.
- Do not use this heater in bathrooms, laundry rooms or similar indoor locations where humidity is high.
- Never operate heater in or near a bathtub, shower or swimming pool.
- Keep children and animals away from heater.
- Always set heater on a stable, level surface.
- **Do not plug this heater into any other cord connected device such as a power strip, surge protector, multiple outlet adapter, grounding adapter, outlet-type air fresheners or extension cords. Plug the heater cord directly into a 3-prong 120V 15 amp grounded circuit receptacle.**
- Never plug heater cord into a loose fitting or broken receptacle.
- Never use this heater below a receptacle.
- Be sure heater is turned off and fan has completed its cool down mode before unplugging heater.
- Do not operate this heater near any water.
- Keep heater area free from combustible materials such as gasoline, paint thinners and other flammable vapors and liquids. Dust is combustible. Do not use heater in areas of high dust concentration.
- NEVER leave heater unattended.
- ALWAYS maintain proper distance from combustibles.

- Do not open this heater unless instructed by an authorized representative of the manufacturer. There are limited user-serviceable parts inside.

#### **Minimum clearance from Combustibles:**

TOP	SIDES	FRONT	BACK
24"	12"	72"	36"

### Product Features

**4 Infrared quartz bulbs:** Each infrared quartz bulb is rated at 375W and warms the air as it passes through the inner chamber.

**Cross flow fan:** The cross flow fan creates a wide flow of air using a cylindrical-shaped impeller.

**Delay start function:** This function controls the cross flow fan, and allows the infrared quartz bulbs to heat up before the fan begins to circulate the air flow. The cross flow fan will also continue to operate after the heater is turned off to circulate the warm air out of the heater, cooling the unit down.

**Copper Plate:** The Diathermanous copper plate is constructed from red copper, to enhance and improve efficiency.

**LED Display:** This displays the temperature and time. Operating the heater can be done on the unit's control panel, or by remote.

### Unpacking and Assembly

- Inspect heater closely for any damage that may have occurred during shipping. If there is any damage, return the heater to the place of purchase.
- Remove heater from carton by sliding it out of the box, and inspect for damages (Save carton and packing materials for later off-season storage).
- Remove all protective packaging protecting heater during shipping.

**NEVER LEAVE HEATER  
UNATTENDED WHILE  
OPERATING**



## Infrared Quartz Room Furnace

### Operating Instructions

**NOTE: "UP" and "DOWN" arrow buttons on the control panel and remote control have dual function capabilities:**

**Use the UP arrow to adjust TIME / TEMP, or HI / LOW settings.**

**Use the DOWN arrow to adjust TIME / TEMP, or °C / °F settings.**

1. Plug the power cord directly into a conventional 120V 15 amp grounded outlet and press the MASTER POWER switch on the back of the heater.
2. Press the POWER button on the front control panel or on the remote control to start the heater. The LED will display the default setting (72°F / 22°C).

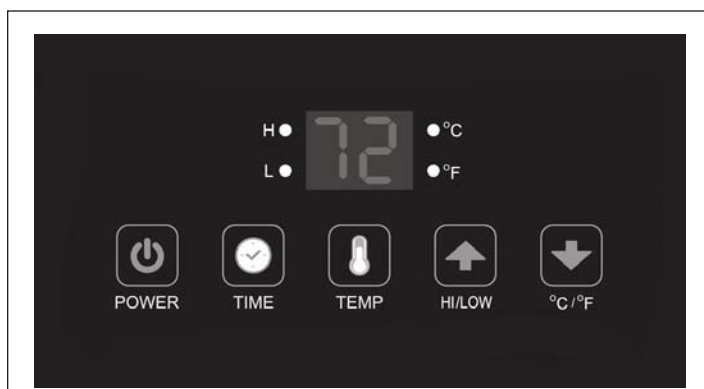
**NOTE: If the current ambient temperature is greater than the set temperature, the HI / LOW display, fan and Quartz bulbs will not operate.**

#### To alternate between F° and C°:

1. Pressing the °C / °F / Down button, you can switch the temperature format from Fahrenheit to Celsius, and vice versa.

#### To set Timer:

1. Pressing the TIME button, the LED display will switch from the temperature status to the TIME status and begin to flash. The default time will display "-" which means the TIME is not activated, and the heater will remain on.
2. You must press the HI/LOW/UP button or the C°/F°/DOWN within (5) seconds to set the time. Each time you press the HI/LOW/UP button, the time will increase by 0.5 hours. Pressing C°/F°/DOWN will decrease by 0.5 hours. The maximum amount of time is 8 hours; once you reach 8.0, the time will return to "-" and start at 0.5 again.



**Figure 1. LED Display**

3. Holding down each button (for 2 seconds) while setting the time will change the time quicker. If no button is pressed within (5) seconds, the time status will switch back to the temperature status.

#### To set Temperature:

1. Pressing the TEMP button, the LED display will switch to the TEMP status and begin to flash. You must press the HI/LOW/UP button or the C°/F°/DOWN within (5) seconds to set the temperature.
2. Pressing the the HI/LOW/UP button will increase the temperature setting by 1°. Pressing the C°/F°/DOWN button will decrease the temperature setting by 1°. The maximum temperature setting is 86°F (30°C).
3. Holding down either button while setting the temperature will increase or decrease the temperature quicker. If no button is pressed within (5) seconds, the time status will switch back to the temperature status.

#### To set Heat Output:

1. The default setting is HI. Press the HI/LOW/UP button to switch from HI (1500W) to LOW (750W).

#### To calibrate Temperature setting:

1. Hold down the TEMP button for (5) seconds to switch to thermostat calibration status. The LED display will begin to flash. The default setting on the display is 00.
2. Press the the HI/LOW/UP or C°/F°/DOWN buttons to scroll up or down for the correct calibration. The displayed temperature should match your wall or free-standing thermometer within (4) degrees.
3. Once the desired temperature is set, press TEMP button to save your settings

**NOTE: To reset back to factory settings, press and hold the TIME button for (5) seconds.**

#### To turn heater off:

1. Press POWER button on control panel or remote control. Fan will continue to run in cool down mode.
2. When fan has shut down, you can unplug heater.

**⚠ CAUTION** Do NOT turn off MASTER POWER switch or unplug heater until the fan has shut down! If prematurely turned off, the heater can overheat, which may damage your heater and void your warranty.

**NEVER LEAVE HEATER  
UNATTENDED WHILE  
OPERATING**



**Infrared Quartz  
Room Furnace**

## **Maintenance / Storage**

**NOTE:** Before care or maintenance is applied, be sure heater is not plugged in.

The cabinet housing can be wiped down with a damp cloth or with furniture polish. Your heater comes with a washable filter. The filter should be cleaned regularly for maximum performance. Remove the filter from the heater, and run warm water over and through filter to remove dirt and dust. If desired you can use a mild soap to help remove dirt and dust. Shake water from filter and replace in heater (a damp filter can be replaced into the heater).

**NOTE:** Repair of this heater should be done by a qualified service person.

It is recommended that you save all of the packaging materials that came with your heater, and re-package the heater using these materials for safe storage.

Debris, dust and dirt inside of the heater body can affect the performance of your heater. This debris can impair the heaters ability to draw air for ventilation.

**The Manufacturer** reserves the right to make any changes in materials, specifications, prices or design without notice.

**The Manufacturer** may also discontinue items at any time.

## **Replacement Parts List**

Item Number	Part Description	Part Number
1	Remote Control	84-001-0100
2	Filter	84-002-0100
3	Castor	84-003-0100
4	Quartz Bulb	84-005-0100

## **Troubleshooting Guide**

Problem	Possible Cause	Solution
Heater does not turn on	1. No power from outlet 2. Not plugged in 3. MASTER POWER switch is off. 4. TIME is flashing on LED	1. Be sure outlet is in working order. 2. Be sure heater is plugged in. 3. Press MASTER POWER switch. 4. Press POWER button to turn off TIME and resume normal operation of the heater.
Heater continues to operate after power switch is turned off.	1. Heater is in cool down mode	1. Do <b>not</b> unplug the heater. The fan will continue to operate even after the power switch is turned off. The heater is in cool down mode. Once the fan has stopped, it is safe to disconnect the power cord.
The amount of heated air leaving the front of the heater is reduced.	1. Filter is dirty 2. Vents are blocked	1. Check your electrostatic filter to make sure it is free from dust and dirt, and clean if necessary. 2. Be sure the front grille and rear vent intake are not being blocked.

NEVER LEAVE HEATER  
UNATTENDED WHILE  
OPERATING



Infrared Quartz  
Room Furnace

## **1 YEAR LIMITED WARRANTY**

**Pinnacle Products International, Inc.** warrants this product to the original retail purchaser only, to be free from defects in material and workmanship for a period of one (1) year from the date of initial purchase. This product must be properly installed, maintained and operated in accordance with the instructions provided.

**Pinnacle Products International, Inc.** requires reasonable proof of your date of purchase from an authorized retailer or distributor. Therefore, you should keep your sales slip, invoice, or cancelled check from the original purchase. This Limited Warranty shall be limited to the repair or replacement of parts, which prove defective under normal use and service within the warranty period, and which **Pinnacle Products International, Inc.** shall determine at its reasonable discretion.

This warranty does not apply to products purchased for rental use.

This Limited Warranty does not cover any failures or operating difficulties due to normal wear and tear, accident, abuse, misuse, alteration, misapplication, improper installation or improper maintenance and service by you or any third party. Failure to perform normal and routine maintenance on the heater, shipping damage, damage related to insects, birds, or animals of any kind, and damage due to weather conditions are also not covered. In addition, the Limited Warranty does not cover damage to the finish, such as scratches, dents, discoloration, rust or other weather damage, after purchase.

All transportation costs for the return of the damaged product or parts will be the responsibility of the purchaser. Upon receipt of damaged item, **Pinnacle Products International, Inc.** will examine the item and determine if defective. **Pinnacle Products International, Inc.** will repair or replace and return the item, freight pre-paid. If **Pinnacle Products International, Inc.** finds the item to be in normal operating condition, or not defective, the item will be returned freight collect.

This Limited Warranty is in lieu of all other express warranties. **Pinnacle Products International, Inc.** disclaims all warranties for products that are purchased from sellers other than authorized retailers or distributors.

AFTER THE PERIOD OF THE ONE (1) YEAR LIMITED WARRANTY EXPIRES, **Pinnacle Products International, Inc.** DISCLAIMS ANY AND ALL IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR APPLICATION. FURTHER, **Pinnacle Products International, Inc.** SHALL HAVE NO LIABILITY WHATSOEVER TO PURCHASER OR ANY THIRD PARTY FOR ANY SPECIAL, INDIRECT, PUNITIVE, INCIDENTAL, OR CONSEQUENTIAL DAMAGES. **Pinnacle Products International, Inc.** assumes no responsibility for any defects caused by third parties. This Limited Warranty gives the purchaser specific legal rights; a purchaser may have other rights depending upon where he or she lives. Some states do not allow the exclusion or limitation of special, incidental or consequential damages, or limitations on how long a warranty lasts, so the above exclusion and limitations may not apply to you.

**Pinnacle Products International, Inc.** does not authorize any person or company to assume for it any other obligation or liability in connection with the sale, installation, use, removal, return, or replacement of its equipment, and no such representations are binding on **Pinnacle Products International, Inc.**

Always be sure to specify model number and serial number when making any claim with **Pinnacle Products International, Inc.** For your convenience use the space provided below to list this information:

Model #: AB-716-QH

Serial #: \_\_\_\_\_

Date of Purchase: \_\_\_\_\_